

24-bit Digital 1 or 4 Bi-directional Audio



The FT0X0AB series supports optical transmission of 24-bit PCM coded balanced or unbalanced audio signal through one fiber either in multimode or singlemode.

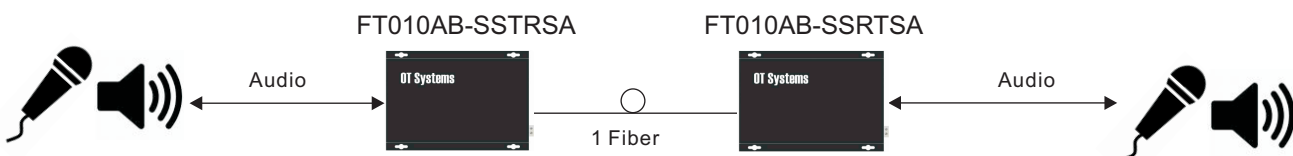
It provides a flexible solution for the transmission of either one or four bi-directional audio channel(s). Either standalone or card module is available for different installation requirements.

Features

- 24-bit digital audio processing
- One or four bi-directional audio transmission
- Supports balanced or unbalanced audio
- Suitable for broadcast audio
- Laser diode for optical transmission
- Optimum sensitivity for power budget concerns
- Excellent suppression of EMI & RFI in audio cables
- Elimination of ground loop noise
- Adjustment and maintenance free
- No setup but just plug-and-play
- Hot-swappable card modules
- LED indicators for audio Tx & Rx level
- Duplicated LED indicators on the front and rear of the unit for the convenience of observation
- Robust design for harsh environment applications
- Standalone or card module

Audio

Typical Application



FTOX0AB Series

Ordering Information

Model	Description	No. of Fibers (Wavelengths)	Optical Power Budget	Max. Distance
MULTIMODE (62.5/125 um)				
FT010AB-SMTR	1 Audio Transceiver	1 (1310/1550 nm)	23 dB	4 km
FT010AB-SMRT	1 Audio Transceiver			
FT040AB-SMTR	4 Audio Transceiver			
FT040AB-SMRT	4 Audio Transceiver			
SINGLEMODE (9/125 um)				
FT010AB-SSTR	1 Audio Transceiver	1 (1310/1550 nm)	17 dB	40 km
FT010AB-SSRT	1 Audio Transceiver			
FT040AB-SSTR	4 Audio Transceiver			
FT040AB-SSRT	4 Audio Transceiver			
FT010AB-SSTR	1 Audio Transceiver	1 (1310/1550 nm)	24 dB	60 km
FT010AB-SSRTL	1 Audio Transceiver			
FT040AB-SSTR	4 Audio Transceiver			
FT040AB-SSRTL	4 Audio Transceiver			
Accessories:	FT-C18. 19" rack mount chassis (purchased separately) for housing card modules			
	FT-PA/12V. 12VDC power adapter included for standalone (US, European, UK or Australian power plug)			
Options:	Model numbers specified above are for Card Modules, please add ' SA ' for Standalone. eg. FT010AB-SMTR SA ST type connector is standard. For FC type, specify ' F ' in the model number. Eg. FT010AB- FMTR			

- NOTES: (1) Transmission distance will suffer if additional losses are introduced by the optical connectors, fusions, splices and the fibers within the network.
 (2) Operating distance of multimode is limited by the characteristics of the fiber bandwidth.
 (3) Power adaptor is manufactured by third party and is supplied with fitted screw-terminal output cables.
 (4) Please feel free to consult factory for any special requirement and customization

Specifications

Audio

Audio		Electrical and Mechanical	
No. of Channels:	1 or 4	Power:	SA: 12VDC @ 4.5(6.0*)W Card: From FT-C18 chassis
Audio Direction:	Bi-directional	Dimensions (HxWxD):	SA: 30 x 156 x 212mm Card: 154 x 20.4 x 212mm
Audio Bandwidth:	20 Hz ~ 20K Hz	Weight:	SA: 0.6kg Card type: 0.2kg
Input Level / Impedance:	0 dBm (nominal); 10K ohms, balanced or unbalanced	No. of rack slots:	1
Output Level:	+4 dBm	LED Indicators:	Power, Optical carrier detected, Audio Tx & Rx
Signal-to-Noise Ratio:	>65 dB		
Connectors		Environmental	
Optical:	ST (standard), FC	Operating Temp.:	-40°C to +75°C
Audio:	5-pin screw terminal	Storage Temp.:	-40°C to +85°C
Power:	SA: 2-pin screw terminal Card: Futurebus connector	Relative Humidity:	0 to 95% non-condensing
		MTBF:	> 100,000 hours



Lifetime Warranty